

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:

Inventor(s): Mille et al

Appln. Serial No.: 10/710,723

Filing Date: July 30, 2004

Attorney Docket No.: 2560-0479

Group Art Unit: 3746

Examiner: Nguyen, Ninh H

Title: Mitigation Of Unsteady Peak Fan Blade And Disc Stresses In
Turbofan Engines Through The Use Of Flow Control Devices
To Stabilize Boundary Layer Characteristics

POWER OF ATTORNEY AND REVOCATION OF PRIOR POWERS

Hon. Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Undersigned revokes all previous powers (if any).

The Undersigned appoints Harbin King & Klima, 500 Ninth Street SE, Washington DC 20003, and the below named person(s) (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent:

Lawrence Harbin Reg. No.: 27,644
Paul King Reg. No.: 29,259

Timothy J. Klima Reg. No.: 34,852

The Undersigned authorizes Harbin King & Klima to delete names/numbers of persons no longer with the Firm and to act and rely on instructions from and communicate directly with the entity who first sent this case to them and by whom I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Harbin King & Klima in writing to the contrary.

Please direct all communications to:

Harbin King & Klima
500 Ninth Street SE
Washington DC 20003
202-543-6404 Voice
202-543-6406 Fax

[Check and complete ONE side below:]

<p>(I) <input checked="" type="checkbox"/> The Undersigned certifies:</p> <p>(1) The Assignee is the assignee of the entire right, title and interest in the above-entitled patent application by virtue of an assignment from the inventors to the Assignee.</p> <p>(2) I am empowered to sign this document on behalf of the Assignee.</p> <p>(3) Either:</p> <p>(a) <input checked="" type="checkbox"/> I have reviewed the documents in the chain of title of the above-entitled patent application, and to the best of my knowledge and belief, title is in The Assignee, or</p> <p>(b) <input type="checkbox"/> the chain of title from the original owner to the assignee is recorded at Reel/Frame</p> <p>The Assignee: Rolls-Royce Deutschland Ltd & Co KG</p> <p>By: <u>Hermann MOHNKOPF</u></p> <p>Name: Hermann MOHNKOPF</p> <p>Title: Patents & Licensing Manager</p> <p>Date: <u>04th August 2006</u></p>	<p>(II) <input type="checkbox"/> The Undersigned are all of the Inventors named on the above-entitled patent application.</p> <p>First Inventor: _____ Date: _____</p> <p>Second Inventor: _____ Date: _____</p> <p>Third Inventor: _____ Date: _____</p> <p>Fourth Inventor: _____ Date: _____</p> <p><input type="checkbox"/> Additional Inventors on next page</p>
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AUG. 9. 2006 8:06PM

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ASSIGNMENT OF PATENT APPLICATIONS

ANO. 1470-urP. 5th

Power of Attorney

The undersigned Applicant/Assignee, Gulfstream Aerospace Corporation located at 500 Gulfstream Road, Savannah, Georgia 31408, of the following patent applications:

	<u>Application No.:</u>	<u>Publication No.:</u>	<u>Filing Date:</u>	<u>Priority Date:</u>
a.)	60/481,820	n/a	20 December 2003	n/a
b.)	60/481,889	n/a	13 January 2004	n/a
c.)	PCT/US04/009897	WO 2005/068782	26 March 2004	20 December 2003
d.)	10/710,723	2005/0163621	30 July 2004	20 December 2003
e.)	PCT/US04/42885	WO 2005/074469	20 December 2004	20 December 2003

hereby assigns and transfers the entire right, title and interest as defined in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof and all resulting patents, known as:

INVENTION TITLE:

Mitigation of unsteady peak fan blade and disc stresses in turbofan engines through the use of flow control devices to stabilize boundary layer characteristics

to

Rolls-Royce Deutschland Ltd & Co KG
Patentabteilung PCL
Eschenweg 11, Dahlewitz
15827 Blankenfelde-Mahlow
Germany,

who hereby accepts such assignment and transfer.

Dated 24 March 2006

Assignee:

John J. NEELY
Name Deputy General Counsel
Gulfstream Aerospace Corp.

[Signature]
Signature

For Rolls-Royce Deutschland Ltd & Co KG

06th April 2006
Name

[Signature] 2.
Signature i.v. Ellendorf

1. MATTHIAS
FUNK
GENERAL
COUNCIL

2. HERMANN
MONKOPF
IP MANAGER